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ID AF178459 standard; RNA; INV; 1310 BP.
 XX
 AC AF178459;
 XX
 SV AF178459.1
 XX
 DT 05-SEP-2000 (Rel. 65, Created)
 DT 05-SEP-2000 (Rel. 65, Last updated, Version 1)
 XX
 DE Cryptosporidium parvum unknown mRNA sequence.
 XX
 KW
 XX
 OS Cryptosporidium parvum
 OC Eukaryota; Alveolata; Apicomplexa; Coccidia; Eimeriida; Cryptosporidiidae;
 OC Cryptosporidium.
 XX
 RN [1] [Simonsen J.N., Kramer M., Lowden C., Wilkins J.;](#)
 RP 1-1310
 RA [Simonsen J.N., Kramer M., Lowden C., Wilkins J.;](#)
 RT "Neutralising antigen 2 recognized by human immune sera";
 RL Unpublished.
 XX
 RN [2]
 RP 1-1310
 RA [Simonsen J.N., Kramer M., Lowden C., Wilkins J.;](#)
 RT ;
 RL Submitted (16-AUG-1999) to the EMBL/GenBank/DDBJ databases.
 RL Medical Microbiology, University of Manitoba, 730 William Ave, Winnipeg, MB
 RL R3E 0W3, Canada
 XX
 CC NCBI staff are still waiting for submitters to provide appropriate
 CC feature information.
 XX
 FH Key Location/Qualifiers
 FH
 FT source 1..1310
 FT /db_xref="taxon:5807"
 FT /organism="Cryptosporidium parvum"
 XX
 SQ Sequence 1310 BP; 470 A; 253 C; 206 G; 381 T; 0 other;
 gcacgagatt tttttttttc ttttacctat ttcaattagt ttctttgatt caaacgatgc 60
 aaagtcatta ttgttttaa atccagatgg atccggaatt ttgaaaaaca tttctactaa 120
 attcgaaatt aaatttgagc ttggcttgat aaatggtagt tggctcggag gtgatatttt 180
 tatecttgat aggaacacag ctcttgaagc tgtaagttat tcaatcgctt gtgttttcta 240
 tacaaaaaca tgttttgaaa agaataaagc acattgtctt aaaccttta atcgcgctga 300
 gaataaaatg acttttggtt ctgagaaaga cttagcgaca actctccaat cttctaattc 360
 tgaatattat cttttcctta catggaataa ctggcgctga gaataaaatg acttttggtt 420
 ctgagaaaga cttagcgaca actctccaat cttctaattc tgaatattat cttttcctta 480
 catggaataa ctgatcgatg gattttcttc ttctttaatt aaacatgcgc ctataaaaga 540

aaatggccac	ttgaataatc	aagaatcaaa	atattcaaaa	tgaataaatg	aagccactaa	600
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atccagttgt	tagaccgcat	cctacagaaa	agccctcaaa	tggatgaacat	caagaatctg	720
gttcagagca	agccccctatt	acctcaccag	aaaacgaatc	aagttcaaat	catccttctg	780
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tcagactcag	atcacgcgcc	ttgtgacaat	tccagagact	ggatcagttc	aaatcatctt	900
ctgctactat	accagaaaca	ggatccagct	cagatcacac	tctgctactt	ctccagaaga	960
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taaatcttcc	aaatcaaccc	aatctttcac	gcaagctggc	agatgtggaa	agttatgggg	1140
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cttcgaaaga	aattagaaac	aaaatgtaaa	gtatctgcat	tgataaatat	ggccttagcc	1260
atttccaaat	atctaaattg	tcaactcaag	taaaaaaaaa	aaaaaaaaaa		1310

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ID AF178460 standard; RNA; INV; 1368 BP.
XX
AC AF178460;
XX
SV AF178460.1
XX
DT 05-SEP-2000 (Rel. 65, Created)
DT 05-SEP-2000 (Rel. 65, Last updated, Version 1)
XX
DE Cryptosporidium parvum unknown mRNA sequence.
XX
KW
XX
OS Cryptosporidium parvum
OC Eukaryota; Alveolata; Apicomplexa; Coccidia; Eimeriida; Cryptosporidiidae;
OC Cryptosporidium.
XX
RN [1]
RP 1-1368
RA Simonsen J.N., Kramer M., Lowden C., Wilkins J.;
RT "Neutralising antigen 1 recognized by human immune sera";
RL Unpublished.
XX
RN [2]
RP 1-1368
RA Simonsen J.N., Kramer M., Lowden C., Wilkins J.;
RT ;
RL Submitted (16-AUG-1999) to the EMBL/GenBank/DDBJ databases.
RL Medical Microbiology, University of Manitoba, 730 William Ave, Winnipeg, MB
RL R3E 0W3, Canada
XX
CC NCBI staff are still waiting for submitters to provide appropriate
CC feature information.
XX
FH Key Location/Qualifiers
FH
FT source 1..1368
FT /db_xref="taxon:5807"
FT /organism="Cryptosporidium parvum"
XX
SQ Sequence 1368 BP; 537 A; 206 C; 215 G; 410 T; 0 other;
ggcagcagaaa ttaccatctg atagatcaaa tttactttaca tctattttta ctacattaaa 60
tatggaggaa aaacagtcaa tgagcaatcc acaatcgaaa aatacgaata caagcaatac 120
caaccacaaa gattctggtt taaatgataa aatatttgaa atgattacag atgaattcaa 180
aaaattgacc tttagcttgt ccaaagaatt aaatgattcg gtttcttcag caattagcaa 240
gtatttagaa ccgatcgaac gtgatataca tctattaagt cgcatttgtc aggaatcgag 300
aagtctgttg ataattatgt taatatcaat gaaatttcta aaattgaaac aaatgttaag 360
gaacttctta caagtacaaa tgagaaatta acaagcatcg acacttgat ttcgaggctt 420
gttggcgaat ctagaagcgt tcgtgaaaaa gtgactaaat taaataaaca atgcgataac 480
attaactcga atccaataga caactttact caagtagtag cagattcatt tgggacatta 540

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ggaataccac	taaaaacgtc	ttacaccaga	taactcaatt	acaataagag	cgccccaaaa	660
catagctttg	caaattgatg	atgccttaaa	ccaaaacatt	acgatcggca	tttcggatag	720
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ttaattgaat	ctttaagac	cagctgtaat	ttttctcaa	ttagctgcat	ttcagattta	960
aaattgagaa	tattatggat	aaaagaaacc	attcactggt	ttgaaccatt	tactgatact	1020
cttacaccta	gtgagtaatg	caaatactaa	atgaaatttc	agaagtatga	acaaatgcat	1080
tagcattata	aattcgggta	gcgatgcaag	taaaagcatg	aactatattg	tacctgcatg	1140
cttcacggat	gggtcgatca	tcagtgatat	tactagcata	ttaaggcata	ttagaaggac	1200
aactagaaat	attacatctg	gaatgaaata	aattaataag	gggtagaatt	agatattttt	1260
catgtaaata	aattagcggt	attgaggatt	attcgaaata	aataatagag	atattaagtt	1320
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ID AQ411949 standard; DNA; GSS; 837 BP.
 XX
 AC AQ411949;
 XX
 SV AQ411949.1
 XX
 DT 25-MAR-1999 (Rel. 59, Created)
 DT 14-MAY-2000 (Rel. 63, Last updated, Version 4)
 XX
 DE CpG0925A CpIOWAgDNA1 Cryptosporidium parvum genomic, genomic survey
 DE sequence.
 XX
 KW GSS.
 XX
 OS Cryptosporidium parvum
 OC Eukaryota; Alveolata; Apicomplexa; Coccidia; Eimeriida; Cryptosporidiidae;
 OC Cryptosporidium.
 XX
 RN [1]
 RP 1-837
 RX MEDLINE; [20183851](#).
 RX PUBMED; [10717299](#).
 RA Strong W.B., Nelson R.G.;
 RT "Preliminary profile of the Cryptosporidium parvum genome: an expressed
 RT sequence tag and genome survey sequence analysis";
 RL Mol. Biochem. Parasitol. 107(1):1-32(2000).
 XX
 CC Contact: Nelson, R. G.
 CC Depts. of Medicine & Pharmaceutical Chemistry
 CC San Francisco General Hospital-University of California, San
 CC Francisco
 CC Box 0811, San Francisco, CA 94143-0811, USA
 CC Tel: 415 206 8846
 CC Fax: 415 206 3353
 CC Email: malaria@itsa.ucsf.edu
 CC For Annotation Data see <http://medsfgh.ucsf.edu/id/CpTags/home.html>
 CC Seq primer: M13(-21) forward
 CC Class: shotgun.
 XX
 FH Key Location/Qualifiers
 FH
 FT [source](#) 1..837
 FT /db_xref="taxon:5807"
 FT /note="Vector: pBlueScript II (SK-); Site_1: EcoRV; C.
 FT parvum (IOWA isolate) genomic DNA was hydrodynamically
 FT sheared to produce fragments having a tight size
 FT distribution between 2-4 kb by Dr. Yvonne Thorstenson of
 FT the Stanford DNA Sequencing and Technology Center
 FT (<http://sequence->
 FT www.stanford.edu/group/techdev/shear.htm). The randomly

FT sheared gDNA was chromatographed on Sephacryl S-400 to
FT remove any small fragments and DNA eluting in the void
FT volume was subcloned into an EcoR V-digested, alkaline
FT phosphatase-treated pBlueScript II (SK-) vector and
FT transformed into E. coli strain XL2 Blue MRF'. Recombinant
FT clones from the first plating of the library were selected
FT for sequence analysis using T3 and T7 primers."
FT /organism="Cryptosporidium parvum"
FT /strain="IOWA"
FT /clone_lib="CpIOWAgDNA1"
FT /lab_host="E. coli XL2 Blue MRF'"
XX
SQ

Sequence 837 BP; 333 A; 128 C; 124 G; 252 T; 0 other;
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actcaaagcc agctacatat cctaaccaag aaaatgaaaa tcataataat caggaaggta 180
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atgtggaaag ttatggggaa aaggataaaa tggttgatgg tgagcaagta atcactaaaa 300
atgacattat tgaagatact tcgaaagaaa ttagaaacaa aatgtaaagt atctgcattg 360
ataaatatgg ccttagccat ttccaaatat cttaaattgtc aactcaagta aaattcatat 420
tgatagttta tttaaataaa aataattagg attttgtacg catatcaagt gattttctga 480
aatttagttg tattgttâat tattgtttca aaataccttc taataatttg taagatgccg 540
aataaaaagga tatttgctta ctttgataat cccattcgat aacacaaaat tgaagaagat 600
taaatggtac gaaaaacaca atgacatatt tgggaaattg taaagtttgc aataaagcgg 660
gataaacctt aattatcaat tatagaaaag ttctaataca aatgcaattt cgagcaaatt 720
ttttaacgca acatttgttg caaatgaatt ttatttcaaa caaaaattgt gcgctttaa 780
aaataataaa attacttacc atttaggtaa taatacgttg gaaagatgca acttaag 837

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ID AQ988925 standard; DNA; GSS; 605 BP.
 XX
 AC AQ988925;
 XX
 SV AQ988925.1
 XX
 DT 03-FEB-2000 (Rel. 62, Created)
 DT 24-AUG-2000 (Rel. 64, Last updated, Version 3)
 XX
 DE 25A1A08NE.F1 C. parvum Lambda Zap Express Library Cryptosporidium parvum
 DE genomic clone 25A1A08NE, DNA sequence.
 XX
 KW GSS.
 XX
 OS Cryptosporidium parvum
 OC Eukaryota; Alveolata; Apicomplexa; Coccidia; Eimeriida; Cryptosporidiidae;
 OC Cryptosporidium.
 XX
 RN [1]
 RP 1-605
 RX MEDLINE; 20299184.
 RX PUBMED; 10838221.
 RA Widmer G., Akiyoshi D., Buckholt M.A., Feng X., Rich S.M., Deary K.M.,
 RA Bowman C.A., Xu P., Wang Y., Wang X., Buck G.A., Tzipori S.;
 RT "Animal propagation and genomic survey of a genotype 1 isolate of
 RT Cryptosporidium parvum";
 RL Mol. Biochem. Parasitol. 108(2):187-197(2000).
 XX
 CC Contact: Buck GA
 CC Nucleic Acids Research Facility
 CC Virginia Commonwealth University
 CC Box 980678, 1101 East Marshall Street, Rm 5036 Sanger Hall,
 CC Richmond, VA 23298-0678, USA
 CC Tel: 804 828 2318
 CC Fax: 804 828 1397
 CC Email: buck@hsc.vcu.edu
 CC Class: plasmid ends.
 XX
 FH Key Location/Qualifiers
 FH
 FT source 1..605
 FT /db_xref="taxon:5807"
 FT /note="Vector: Lambda Zap Express (Stratagene); Site_1:
 FT BamHI; Sau3AI partial digestion of NEMC1 genomic DNA was
 FT ligated into lambda Zap Express BamHI arms treated with
 FT calf intestine alkaline phosphatase. Plasmids were excised
 FT as directed by the manufacturer, purified by a modified
 FT alkaline lysis protocol and sequenced using PEB BigDye
 FT terminators on an PEB Prism 377 DNA Sequencer."
 FT /organism="Cryptosporidium parvum"

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FT      /strain="NEMC1, genotype 1 (human) "
FT      /clone="25A1A08NE"
FT      /clone_lib="C. parvum Lambda Zap Express Library"
FT      /dev_stage="Oocyst"
FT      /lab_host="gnotobiotically reared piglet"
XX
SQ      Sequence 605 BP; 201 A; 114 C; 83 G; 201 T; 6 other;
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catccccagg ttgaatactc ttcaccccg   aaaaaaaatt taccgctatt tttgaataaa      120
ttttctatta cagaactgtt tcagagctgt tctaaagaag ctaggtaata caaataaata      180
aaagctaaac ttaatatctc tattatttat ttctaatagt tctcaataac gctaatttat      240
ttacatgaaa aatatctaat tctaccctt  attaattnat ttcattccag atgtaatat      300
tctagttgcc ttctaatatg ccttaatatg ctagtaatat cactgatgat cgacccatcc      360
gtgaagcatg caggacaata tagttcatgc ttttacttac atcgctaacc gaatttataa      420
tgctaatagca ttngccatgc tttctgaaat tcattaagta tttgcattac gtcctaggtg      480
tacgagtatc agnaaatggg cgaacagtga atggtncttt tatccataat attctcattt      540
aaatcggaan acngtaattg agaaaaatac cgtgggctta agatcattaa tgaggagaga      600
tcctc                                           605
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